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39-1, Hawolgok 2-dong, Seongbuk-gu, Seoul 136-791 (KR).

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(74) Agent: **PAIK, Nam-Hoon**; 14th Fl., KTB Network Bldg., 826-14, Yeoksam-dong, Kangnam-ku, Seoul 135-769 (KR).

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(71) Applicant (*for all designated States except US*): **KOREA INSTITUTE OF SCIENCE AND TECHNOLOGY** [KR/KR]; 39-1, Hawolgok 2-dong, Seongbuk-gu, Seoul 136-791 (KR).

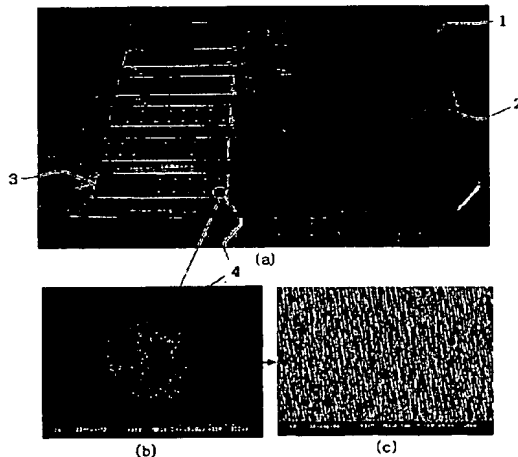
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **CHOI, Heon Jin** [KR/KR]; 204-1507 Hanjin Apt., 609-1 Donam-dong, Seongbuk-gu, Seoul 136-060 (KR). **PYUN, Jae Chul** [KR/KR]; Korea Institute of Science and Technology,

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(54) Title: NANOWIRE ASSISTED LASER DESORPTION/IONIZATION MASS SPECTROMETRIC ANALYSIS



(57) Abstract: This invention relates to a nanowire-assisted method for mass spectrometric analysis of a specimen. More specifically, by using nanowire which can fix a specimen and perform desorption/ionization of the specimen while effectively transferring laser energy to the specimen to be irradiated, thereby enabling to perform mass spectrometric analysis without using a matrix solution. This invention, by effectively performing desorption/ ionization of a specimen using the above-mentioned nanowire, enables to effectively perform qualitative-, quantitative-, and micro- analyses of specimens as well as low molecular weighted specimens. Further, this invention enables to the typical device of mass spectrometric analysis used in MALDI-T of MS. In particular, this invention can perform mass spectrometric analysis of a specimen with molecular weight of less than 1,000 Da and perform quantitative analysis by fixing a specimen with a predetermined area.

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